

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A client system for gathering information via a network by voice input comprising:

a speech recognition engine installed on said client system;

a communication component installed on said client system configured to establish communications with a communication component on a server system which provides access to information stored on said server; and

a voice navigation component configured to provide information-dependent grammars ~~from said server~~ to said speech recognition engine via said communication component based on initial information loaded from said server to said client, said information-dependent grammars received in a directly-usable form from said server and configured to process results of said speech recognition system independently of said server.

2. (Original) The system according to claim 1, wherein said speech recognition engine further includes a speech synthesis engine.

3. (Original) The system according to claim 1, wherein said communication component on said client system and said voice navigation component form an integral component.

4. (Original) The system according to claim 1, wherein said communication component on said client system is a browser.

5. (Original) The system according to claim 1, wherein said voice navigation component is configured to locate, select, and initialize a speech recognition engine and a speech synthesis engine, and to enable and disable information-dependent grammars, and to process recognition results from said speech recognition engine.

6. (Original) The system according to claim 1, wherein said network is an Intranet or an Internet.

7. (Currently Amended) A client-server system comprising:

a client having a speech recognition engine and a speech synthesis engine, a client communication component configured to establish communications with a server, and a voice navigation component configured to provide information-dependent grammars from said server to said speech recognition engine via said client communication component based on initial information loaded from said server to said client and further configured to process results of said speech recognition engine; and

a server having a server communication component configured to establish communication with a client, a voice navigation component configured to provide information-dependent grammars ~~from said server~~ to said speech recognition engine based on said initial information, wherein said information dependent grammars are received in a directly-usable form from said server and further configured to process said results of said speech recognition engine, wherein said voice navigation component is available for download to and execution on said client, and wherein said information-dependent grammars are available for download to and execution on said client for processing results of said speech recognition system independently of said server.

8. (Currently Amended) A method for gathering information via a network by voice input comprising:

loading an initial information from a server in a client using a communication component;

automatically loading an information-dependent grammar in said client by using access information contained in said initial information, said information-dependent grammar being received in directly-usable form from the server, and automatically providing said information-dependent grammar to a speech recognition engine disposed in said client for recognizing spoken words defined by said information-dependent grammar;

sending results of said speech recognition engine to a voice navigation component; and

processing results of said speech recognition engine in said voice navigation component independently of said server.

9. (Original) The method according to claim 8, wherein said information-dependent grammar defines possible input values of Web related Web pages, Web pages belonging to a Web application, or a related Web application.

10. (Original) The method according to claim 8, wherein said initial information is a Web page made available by said server.

11. (Original) The method according to claim 10, wherein said initial Web page contains a reference to said voice navigation component stored on said server.

12. (Original) The method according to claim 11, wherein each initial Web page contains a reference to a point-and-click component stored on said server.

13. (Original) The method according to claim 12, further comprising:
automatically identifying reference information in said initial Web page for
accessing said voice navigation component and said point-and-click component, and
automatically loading said voice navigation component and said point-and-click
component from said server to said client using said reference information.
14. (Original) The method according to claim 13, further comprising:
automatically associating said identified reference information with
information-dependent grammars in said initiating Web page;
automatically loading said identified information-dependent grammar in said
client; and
providing said speech recognition engine with access to said
information-dependent grammar via said voice navigation component.
15. (Original) The method according to claim 12, wherein said voice navigation
component and said point-and-click component have a common user-interface including
user selectable options.
16. (Original) The method according to claim 15, wherein said voice navigation
component user interface includes options for selecting information-dependent grammars
stored on said server.
17. (Original) The method according to claim 8, wherein said voice navigation
component is configured to process a spoken response, a change of browser content, and
an HTTP-request to load a new application, applet, or Web page.

18. (Original) The method according to claim 8, wherein said voice navigation component is configured to redraw a content frame, to retrieve information from a server, and to initiate a server-based transaction from said speech recognition and synthesis engine.

19. (Currently Amended) A machine-readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

loading an initial information from a server in a client using a communication component;

automatically loading an information-dependent grammar in said client by using access information contained in said initial information, said information-dependent grammar being received in a directly-usable form from the server, and automatically providing said information-dependent grammar to a speech recognition engine disposed in said client for recognizing spoken words defined by said information-dependent grammar;

sending results of said speech recognition engine to a voice navigation component; and

processing results of said speech recognition engine in said voice navigation component independently of said server.

20. (Original) The machine-readable storage according to claim 19, wherein said information-dependent grammar defines possible input values of Web related Web pages, Web pages belonging to a Web application, or related Web applications.

21. (Original) The machine-readable storage according to claim 19, wherein said initial information is a Web page made available by said server.

22. (Original) The machine-readable storage according to claim 21, wherein said initial Web page contains a reference to said voice navigation component stored on said server.

23. (Original) The machine-readable storage according to claim 22, wherein each initial Web page contains a reference to a point-and-click component stored on said server.

24. (Original) The machine-readable storage according to claim 23, further comprising:

automatically identifying reference information in said initial Web page for accessing said voice navigation component and said point-and-click component and automatically loading said voice navigation component and said point-and-click component from said server to said client using said reference information.

25. (Original) The machine-readable storage according to claim 24, further comprising:

automatically associating said identified reference information to information-dependent grammars in said initiating Web page;

automatically loading said identified information-dependent grammar in said client; and

providing said speech recognition engine with access to said information-dependent grammar via said voice navigation component.

26. (Original) The machine-readable storage according to claim 23, wherein said voice navigation component and said point-and-click component have a common user-interface including user selectable options.

27. (Original) The machine-readable storage according to claim 26, wherein said voice navigation component user interface includes options for selecting information-dependent grammars stored on said server.

28. (Original) The machine-readable storage according to claim 23, wherein said voice navigation component is configured to process a spoken response, a change of browser content, and an HTTP-request to load a new application, applet, or Web page.

29. (Original) The machine-readable storage according to claim 23, wherein said voice navigation component is configured to redraw a content frame, to retrieve information from a server, and to initiate a server-based transaction from said speech recognition and synthesis engine.